

### AMENDMENTS TO THE CLAIMS

1. (canceled)
2. **(Currently amended)** The system of claim [[1]]19, wherein the server communicates with the patient through a patient interface that comprises an HTML-encoded web page.
3. **(Currently amended)** The system of claim [[1]]19, further comprising a patient database in which the patient-specific data is stored, including the patient-specific data.
4. **(Currently amended)** The system of claim [[1]]19, further comprising a clinical trial database, in which including the set of trial-specific criteria is stored.

Claims 5-8 (canceled)

9. **(Currently amended)** The system of claim [[1]]19, wherein the patient interface includes a series of questions patient-specific data comprises answers to a questionnaire.
10. **(Currently amended)** The system of claim [[1]]19, further ~~comprising~~ configured to send at least a portion of instructions for coupling at least a portion of the patient-specific data to the clinical trial.

11. **(Currently amended)** The system of claim ~~[[1]]~~19, wherein the match result data comprises clinical trial contact and/or location information, and the server is configured to send the match result data further comprising instructions for coupling a set of trial contact information to the patient.

12. **(Currently amended)** The system of claim ~~[[1]]~~19, wherein the patient-specific data comprises at least one of ~~patient contact information~~, disease of concern, demographic data, drug classes of interest, prior therapies, specific drugs of interest, years since diagnosis, stage of disease, phase of clinical trial, and concomitant diseases.

Claims 13-16 (canceled)

17. **(Currently amended)** A method of recruiting a patient into a clinical trial, the method comprising:  
serving to the patient a questionnaire that includes at least one clinical trial eligibility question;  
receiving from the patient patient-specific data that includes an answer to the at least one clinical trial eligibility question; ~~from a remote network device at a server;~~  
accessing criteria of one or more ~~than one~~ clinical trials ~~at the server;~~ and  
determining whether the patient-specific data satisfies the criteria of one or more ~~clinical trials; having criteria satisfied by the patient-specific data~~

inviting the patient to participate in a clinical trial for which the criteria have been  
determined to be satisfied, if any; and  
if the patient chooses to participate, registering the patient in a database.

18. (canceled)

19. **(New)** A computer system for recruiting a patient into a clinical trial, the system configured as at least:

a server which:

requests patient-specific data from the patient, the patient-specific data

requested including clinical trial eligibility data;

collects the patient-specific data from the patient; and

send match result data to the patient;

a matcher responsive to the patient's clinical trial eligibility data and to trial-

specific criteria corresponding to the clinical trial to:

determine whether a match exists between the patient and the clinical trial;

and

generate the match result data; and

a security layer which:

prevents direct communication between the server and the matcher;

receives the patient-specific data from the server;

sends the patient's clinical trial eligibility data to the matcher; and

receives the match result data from the matcher and sends it to the server.

20. (New) The system of claim 19, wherein the system comprises at least two computers.
21. (New) The system of claim 20, wherein the security layer runs on one of the computers, and the matcher runs on another computer.
22. (New) The system of claim 3, wherein the instructions for storing the patient-specific data in a patient database further comprise instructions to store the patient-specific data in the patient database only after determining whether a match exists between the patient and the clinical trial.
23. (New) A method of determining whether a patient is a candidate for a clinical trial, comprising:
- serving a questionnaire from a server to a patient through a patient interface;
  - receiving at the server patient eligibility data submitted by the patient in response to the questionnaire;
  - sending the patient eligibility data from the server to a security layer;
  - sending the patient eligibility data from the security layer to a matcher;
  - in the matcher:
    - determining whether a match exists between the patient and the clinical trial by comparing the patient eligibility data to a set of trial criteria specific for the clinical trial; and

returning match result information to the security layer;  
sending to the server the match result information thus returned from the security  
layer; and  
serving to the patient through the patient interface the match result information  
thus sent to the server.

24. **(New)** The method of claim 23, further comprising serving clinical trial contact and/or location information to the patient through the patient interface.
25. **(New)** The method of claim 23, further comprising serving a registration questionnaire to the patient through the patient interface after a match has been determined to exist between the patient and the clinical trial.
26. **(New)** The method of claim 25, further comprising receiving a set of registration information from the patient.
27. **(New)** The method of claim 26, further comprising adding the registration information to a patient database.
28. **(New)** The method of claim 26, further comprising sending at least part of the set of registration information to the clinical trial.

29. (New) The method of claim 23, further comprising comparing, in the matcher, the patient eligibility data to a second set of trial criteria and determining whether a match continues to exist between the patient and the clinical trial.
30. (New) The method of claim 23, wherein the security layer and the matcher run on separate computers.
31. (New) A method of determining whether a patient is a candidate for a clinical trial, comprising:
- serving a first questionnaire from a server to a patient through a patient interface;
  - receiving at the server a first set of patient eligibility data submitted by the patient in response to the first questionnaire;
  - sending the first set of patient eligibility data from the server to a security layer;
  - sending the first set of patient eligibility data from the security layer to a matcher;
  - in the matcher:
    - determining whether a match exists between the patient and the plurality of clinical trials by comparing the first set of patient eligibility data to a set of generic trial criteria generic to a plurality of clinical trials; and
    - returning generic match result information to the security layer;
  - if a match exists between the patient and the plurality of clinical trials:
    - serving a second questionnaire from the server to the patient through the patient interface;

receiving at the server a second set of patient eligibility data submitted by  
the patient in response to the second questionnaire;  
sending the second set of patient eligibility data from the server to the  
security layer;  
sending the second set of patient eligibility data from the security layer to  
the matcher;  
in the matcher:  
determining whether a match exists between the patient and the  
one clinical trial by comparing the second set of patient  
eligibility data to a set of specific trial criteria specific to  
one of the plurality of clinical trials; and  
returning specific match result information to the security layer;  
if a match exists between the patient and the one clinical trial:  
sending information about the one clinical trial from the security  
layer to the server; and  
serving the clinical trial information to the patient through the  
patient interface.